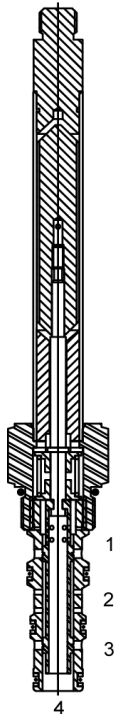




PQ-S4P Direct Acting Spool, 4 Way 3 Position, Closed Center



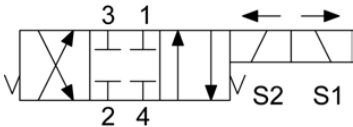
DESCRIPTION
8 size, 3/4-16 thread, "Power" series, solenoid operated, 4 way 3 position, closed center spool valve.

OPERATION
When de-energized the PQ-S4P blocks flow at all ports. When outer coil (S1) is energized the valve allows flow from (2) to (1) and from (3) to (4). When inner coil (S2) is energized the valve allows flow from (2) to (3) and from (1) to (4).
OPERATION OF MANUAL OVERRIDE OPTION:
Push Only Override - Spring biased in neutral center position, when pushed the valve shifts in the S2 direction.

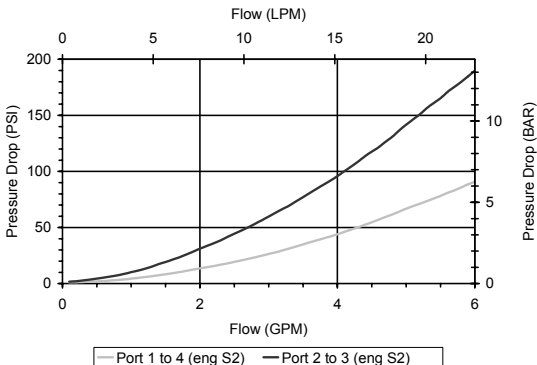
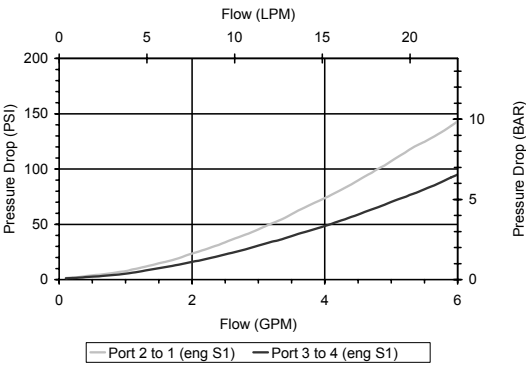
- FEATURES**
- Hardened parts for long life.
 - Efficient wet-armature construction.
 - Cartridges are voltage interchangeable.
 - Industry common cavity.
 - Unitized, molded coil design.
 - Optional manual "push only" override.
 - Continuous duty rated solenoid.
 - Optional coil voltages and terminations.
 - Optional "I" Coil: Weatherproof, Thermal Shock, Immersion Safe.

Uses "D" Delta coil.
Flow rating based upon on maximum differential load of 1000 PSI.
"OP" override is a push only non-detented button that actuates S2 direction.

HYDRAULIC SYMBOL



PERFORMANCE
Actual Test Data (Cartridge Only)



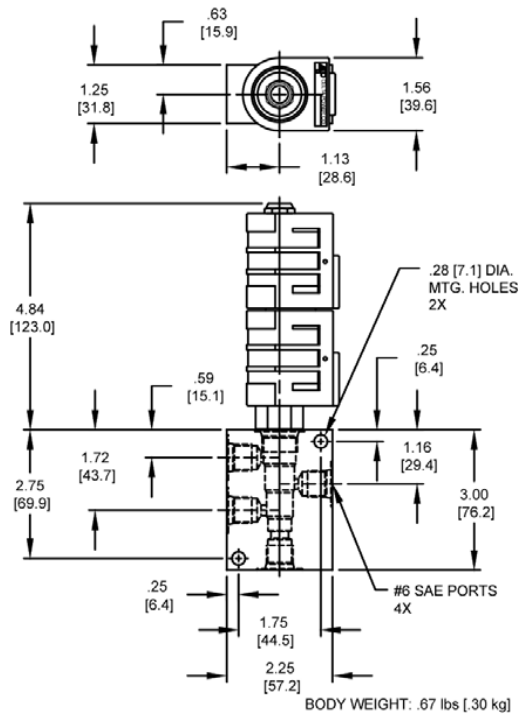
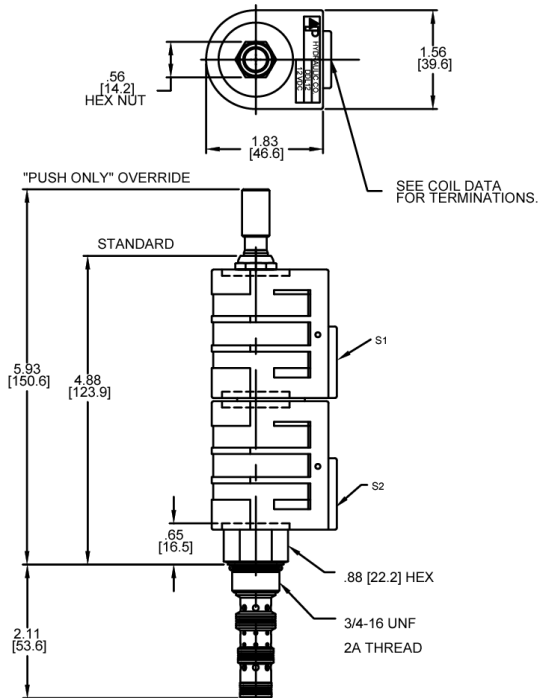
VALVE SPECIFICATIONS	
Nominal Flow	8 GPM (30 LPM)
Rated Operating Pressure	3000 PSI (207 bar)
Typical Internal Leakage (150 SSU)	5 cu in/min (82 ml/min) per path
Viscosity Range	36 to 3000 SSU (3 to 647 cSt)
Filtration	ISO 18/16/13
Media Operating Temperature Range	-40° to 250° F (-40° to 120° C)
Weight	.42 lbs. (.19 kg)
Operating Fluid Media	General Purpose Hydraulic Fluid
Cartridge Torque Requirements	25 ft-lbs (34 Nm)
Coil Nut Torque Requirements	4-6 ft-lbs (5.4-8.1 Nm)
Cavity	POWER 4W
Cavity Form Tool (Finishing)	40500029
Seal Kit	21191108

PQS4P00

Solenoid Operated Directional Controls



DIMENSIONS



ORDERING INFORMATION

PQ-S4P - - - - -			
<u>OPTIONS</u>		<u>BODIES</u>	
Buna Standard	00	Blank	Without Body
Viton Standard	V0	N	1/4 NPTF Ports
Buna, Push only override	0P	S	#6 SAE Ports
Viton, Push only override	VP		
		<u>VOLTAGE</u>	
		06	6 VDC
		12	12 VDC
		24	24 VDC
		36	36 VDC
		48	48 VDC
		25	24 VAC
		11	120 VAC
		22	220 VAC
		44	440 VAC
<u>"D" COIL TERMINATION</u> (All DC Except as Noted)			
DL	Double Lead	SS	Single Spade
DT	Deutsch on Leads DT04-2P	DS	Double Spade
ML	Metri-Pack on Leads	HC	DIN 43650 (Hirschman) – (AC & DC)
PL	Packard on Leads	CL	Conduit Lead – (AC Only)
WL	Weatherpack on Leads	DI	Deutsch – Integral DT04-2P
		IA	"I" Coil AMP Superseal – Integral
		ID	"I" Coil Deutsch – Integral DT04-2P
		IJ	"I" Coil AMP Jr. Timer – Integral
		IM	"I" Coil Metri-Pack – Integral

Approximate Coil Weight: .74 lbs. (.33 kg.)